

REMARKS

Amendment summary

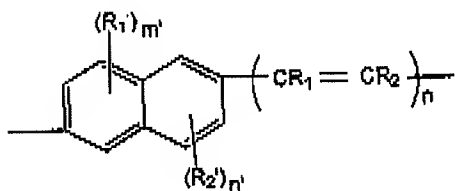
Claim 28 is added. Support for this Amendment may be found in, e.g., Example 1 at page 59 of the present specification.

No new matter is added by this Amendment, and Applicants respectfully submit that entry of this Amendment is proper.

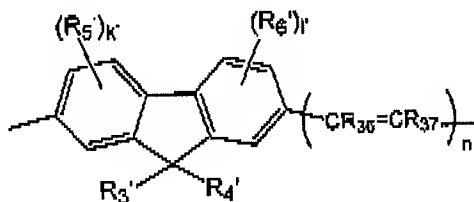
Response to rejection of Claims 1 and 6-17 under 35 U.S.C. § 103 based on Uckert

Claims 1 and 6-17 have been rejected under 35 U.S.C. § 103(a) as allegedly being unpatentable over Uckert et al. (U.S. Patent No. 7,214,763) (hereinafter "Uckert"). Applicants respectfully traverse.

Claim 1 recites, in part, that, the polymeric fluorescent substance comprises the repeating unit of (a) the formula (1) containing a substituted 2,6-naphthalenediyl group; and (b) the formula (8) containing a 2,7-fluorenediyl group:



(1)



(8)

(For the sake of simplicity, the above formulae (1) and (8) are expressed as incorporating the recited structures of (1)' and (2)', as recited in the claim).

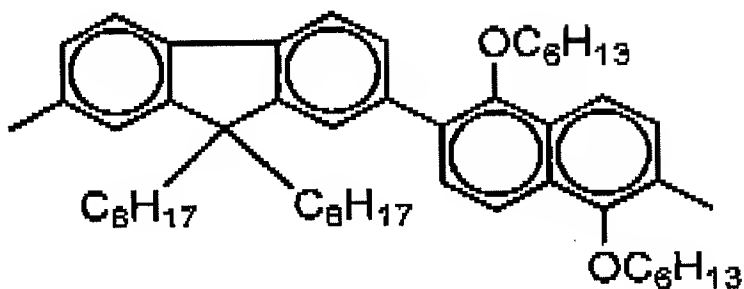
Further, the claim recites that the amount of formula (1) present is 50 mol % or less based on the total amount of the units having formulae (1) and (8).

Applicants respectfully submit that Uckert does not disclose or suggest the presently recited copolymer comprising both substituted 2,6-naphthalenediyl group and a 2,7-fluorenediyl group. Instead, Uckert discloses a copolymer including a 2,7-fluorenediyl group and a second monomeric unit, where the second monomer unit may be selected from a large number of substituted or unsubstituted fused ring aromatic groups. However, Uckert does not specifically disclose a specific copolymer corresponding to the presently claimed invention. Namely, Uckert does not disclose or suggest a copolymer comprising a 2,7-fluorenediyl group and a substituted 2,6-naphthylenediyl group in an amount recited in present Claim 1.

Further, Applicants note that Uckert does not provide a reason to manipulate its teachings to arrive at the presently claimed invention. Uckert does not teach that polymers comprising a repeating unit of naphthalene having one or more substituents are superior to those without substituents. This is relevant because Example 1 and Comparative Example 1 of the present specification illustrate that the former is excellent in fluorescent strength. The repeating units and the relative value of the fluorescent strengths of the compounds is reproduced below for the Examiner's convenience:

Example 1

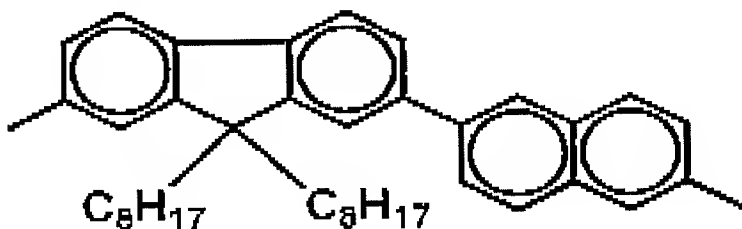
Repeating unit of the polymeric fluorescent substance:



Relative value of fluorescent strength of Example 1 = 2.0

Comparative Example 1

Repeating unit of the polymeric fluorescent substance:



Relative value of fluorescent strength in Comparative Example 1: 0.42

In view of the above, Applicants respectfully submit that the presently claimed invention is not rendered obvious by Uckert. Applicants therefore respectfully request the reconsideration and withdrawal of this § 103 rejection.

Conclusion

In view of the above, reconsideration and allowance of this application are now believed to be in order, and such actions are hereby solicited. If any points remain in issue which the

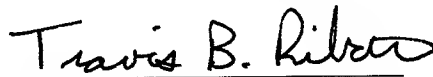
AMENDMENT UNDER 37 C.F.R. § 1.114(c)
U.S. Application No.: 09/995,814

Attorney Docket No.: Q67430

Examiner feels may be best resolved through a personal or telephone interview, the Examiner is kindly requested to contact the undersigned at the telephone number listed below.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

Respectfully submitted,


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